## Highlights of This Issue

### REVIEW

**639** EZH2: Not EZHY (Easy) to Deal
Gauri Deb, Anup Kumar Singh, and Sanjay Gupta

**654** PTEN Is a Potent Suppressor of Small Cell Lung Cancer
Min Cui, Arnaud Augert, Michael Rongione, Karina Conkrite, Susan Parazzoli, Alexander Yu. Nikitin, Nicholas Ingolia, and David MacPherson

### CELL CYCLE AND SENESCENCE

**660** TRAP1 Regulates Proliferation, Mitochondrial Function, and Has Prognostic Significance in NSCLC
Jackeline Agorreta, Jianling Hu, Dongxia Liu, Domenico Delia, Helen Turley, David J.P. Ferguson, Francisco Iborra, María J. Pajares, Marta Larrayoz, Isabel Zudaire, Ruben Pio, Luis M. Montuenga, Adrian L. Harris, Kevin Gatter, and Francesco Pezzella

**670** The Multifunctional Growth Factor Midkine Promotes Proliferation and Migration in Pancreatic Cancer

### CELL DEATH AND SURVIVAL

**681** NEDD9 Regulates Actin Dynamics through Cortactin Deacetylation in an AURKA/HDAC6–Dependent Manner
Yarvare K. Kozyreva, Sarah L. McLaughlin, Ryan H. Livengood, Robin A. Calkins, Laura C. Kelley, Anuradha Rajalapati, Ryan J. Ice, Matthew B. Smolkin, Scott A. Weed, and Elena N. Pugacheva

**694** Asparagine Depletion Potentiates the Cytotoxic Effect of Chemotherapy against Brain Tumors

**703** mTOR Inhibition Potentiates HSP90 Inhibitor Activity via Cessation of HSP Synthesis
Jaime Acquaviva, Suqin He, Jim Sang, Donald L. Smith, Manuel Sequeira, Chaohua Zhang, Richard C. Bates, and David A. Proia

### CHROMATIN, GENE, AND RNA REGULATION

**714** Novel Roles for ERK5 and Cofilin as Critical Mediators Linking ERα-Driven Transcription, Actin Reorganization, and Invasiveness in Breast Cancer

**728** HIFs Enhance the Transcriptional Activation and Splicing of Adrenomedullin
Johnny A. Sena, Liyi Wang, Matthew R. Pawlus, and Cheng-Jun Hu

### GENOMICS

**742** Contribution of Tumor Heterogeneity in a New Animal Model of CNS Tumors
Fuyi Chen, Albert J. Becker, and Joseph J. LoTurco

**754** Spontaneous Reversion of the Angiogenic Phenotype to a Nonangiogenic and Dormant State in Human Tumors
Michael S. Rogers, Katherine Novak, David Zurakowski, Lorna M. Cryan, Anna Blois, Eugene Lifsht, Trond H. Be, Anne M. Oyan, Elise R. Bender, Michael Lamp, Soo-Young Kang, Kamil Naxerova, Karl-Hennig Kalland, Oddbjorn Straume, Lars A. Akslen, Randolph S. Watnick, Judah Folkman, and George N. Naumov
ONCOGENES AND TUMOR SUPPRESSORS

765 PGE2-Driven Expression of c-Myc and OncomiR-17-92 Contributes to Apoptosis Resistance in NSCLC
Kostyantyn Krysan, Rebecca Kusko, Tristan Grogan, James O’Hearn, Karen L. Reckamp, Tonya C. Walser, Edward B. Garon, Marc E. Lenburg, Sherven Sharma, Avrum E. Spira, David Elashoff, and Steven M. Dubinett

775 Fhit Regulates EMT Targets through an EGFR/Src/ERK/Slug Signaling Axis in Human Bronchial Cells
Audrey Joannes, Simon Grelet, Laurent Duca, Christine Gilles, Claire Kileztky, Véronique Dalstein, Philippe Birembaut, Myriam Polette, and Béatrice Nawrocki-Raby

784 DDB2 Suppresses Tumorigenicity by Limiting the Cancer Stem Cell Population in Ovarian Cancer
Chunhua Han, Ran Zhao, Xingluo Liu, Amit Srivastava, Li Gong, Hsiao-yin Mao, Meihua Qu, Weiqiang Zhao, Jianhua Yu, and Qi-En Wang

SIGNAL TRANSDUCTION

795 Beneficial Effects of RAF Inhibitor in Mutant BRAF Splice Variant–Expressing Melanoma
Edward J. Hartsough, Kevin J. Basile, and Andrew E. Aplin

803 Novel Potent and Selective Inhibitors of p90 Ribosomal S6 Kinase Reveal the Heterogeneity of RSK Function in MAPK-Driven Cancers
Ida Aronchik, Brent A. Appleton, Stephen E. Basham, Kenneth Crawford, Mercedita Del Rosario, Laura V. Doyle, William F. Estacio, Jiong Lan, Mika K. Lindvall, Catherine A. Luu, Elizabeth Ornelas, Eleni Venetsanakos, Cynthia M. Shafer, and Anne B. Jefferson

ABOUT THE COVER

The cover image shows multicolor-labeled tumor cells in a model of glioblastoma multiforme in the rat. Both unicolored and mix-colored tumor clones are visible in this image. This multicolor glioblastoma multiforme is generated by cotransfecting radial glia with plasmids encoding oncogenic HRasV12/AKT and three fluorescent proteins GFP, mRFP, and CFP. This new animal model takes advantage of piggyBac transposon-mediated somatic transgenesis and provides a new method to study sources of brain tumor heterogeneity. For more information, see the article by Chen and colleagues on page 742.